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Suite 1050  
Franklin Square  
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Washington, D.C. 20005  
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June 29, 2005

From: William A. Rudy

Matter No.: 413289

To:	Company:	Fax Number:	Phone Number:
Mail Stop Petitions	Commissioner for Patents	(703) 872-9306	

Number of Pages Transmitted (including this cover sheet): 16

Message: U.S. Patent Application Serial No. 10/687,382

Filed: October 16, 2003

Entitled: METHOD OF COOLING SEMICONDUCTOR DIE USING MICROCHANNEL THERMOSYPHON

L&G No.: 413289

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Fax Attendant:

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**HEWLETT-PACKARD COMPANY**Intellectual Property Administration  
P. O. Box 272400  
Fort Collins, Colorado 80527-2400**PATENT APPLICATION**ATTORNEY DOCKET NO. 10014777-3**IN THE  
UNITED STATES PATENT AND TRADEMARK OFFICE**

Inventor(s): Roy Zeighami, et al.

Confirmation No.: 2132

Application No.: 10/687,382

Examiner: M. Datskovskiy

Filing Date: Oct. 16, 2003

Group Art Unit: 2835

Title: METHOD OF COOLING SEMICONDUCTOR DIE USING MICROCHANNEL  
THERMOSYPHONMail Stop Petitions  
Commissioner For Patents  
PO Box 1450  
Alexandria, VA 22313-1450**TRANSMITTAL LETTER FOR RESPONSE/AMENDMENT**

Sir:

Transmitted herewith is/are the following in the above-identified application:

- ( ) Response/Amendment ( ) Petition to extend time to respond  
 ( ) New fee as calculated below ( ) Supplemental Declaration  
 (X) No additional fee Petition Under 37 C.F.R. 1.181(a) To Withdraw Examiner's Holding of Abandonment, Copy of Notice of  
 Abandonment, and Exhibit A, B, and C (fee \$ \_\_\_\_\_)  
 (X) Other: \_\_\_\_\_

CLAIMS AS AMENDED BY OTHER THAN A SMALL ENTITY						
(1) FOR	(2) CLAIMS REMAINING AFTER AMENDMENT	(3) NUMBER EXTRA	(4) HIGHEST NUMBER PREVIOUSLY PAID FOR	(5) PRESENT EXTRA	(6) RATE	(7) ADDITIONAL FEES
TOTAL CLAIMS	6	MINUS	20	= 0	X \$50	\$ 0
INDEP. CLAIMS	1	MINUS	3	= 0	X \$200	\$ 0
[ ] FIRST PRESENTATION OF A MULTIPLE DEPENDENT CLAIM					+ \$360	\$ 0
EXTENSION FEE	1ST MONTH \$120.00	2ND MONTH \$450.00	3RD MONTH \$1020.00	4TH MONTH \$1590.00		\$ 0
OTHER FEES						\$
TOTAL ADDITIONAL FEE FOR THIS AMENDMENT						\$ 0

Charge \$ 0 to Deposit Account 08-2025. At any time during the pendency of this application, please charge any fees required or credit any overpayment to Deposit Account 08-2025 pursuant to 37 CFR 1.25. Additionally please charge any fees to Deposit Account 08-2025 under 37 CFR 1.16, 1.17, 1.19, 1.20 and 1.21. A duplicate copy of this sheet is enclosed.

Respectfully submitted,

(X) I hereby certify that this paper is being transmitted  
to the Patent and Trademark Office facsimile  
number (703) 872-9306 on June 29, 2005  
Number of pages: \_\_\_\_\_

Typed Name: Janet Ridpath

Signature: 

Roy Zeighami, et al.

By 

William A. Rudy

Attorney/Agent for Applicant(s)  
Reg. No. 34,916

Date: June 29, 2005

Telephone No.: (720) 931-3027

Rev 12/04 (TransmFax)

- Attach as First Page to Transmitted Papers -

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HEWLETT-PACKARD COMPANY  
Intellectual Property Administration  
P. O. Box 272400  
Fort Collins, Colorado 80527-2400

## PATENT APPLICATION

ATTORNEY DOCKET NO. 10014777-3

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Inventor(s): Roy Zeighami, et al.

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THERMOSYPHON

Mail Stop Petitions  
Commissioner For Patents  
PO Box 1450  
Alexandria, VA 22313-1450

## TRANSMITTAL LETTER FOR RESPONSE/AMENDMENT

Sir:

Transmitted herewith is/are the following in the above-identified application:

- ( ) Response/Amendment ( ) Petition to extend time to respond  
( ) New fee as calculated below ( ) Supplemental Declaration  
(X) No additional fee Petition Under 37 C.F.R. 1.181(a) To Withdraw Examiner's Holding of Abandonment, Copy of Notice of Abandonment, and Exhibit A, B, and C (fee \$ )  
(X) Other: (fee \$ )

CLAIMS AS AMENDED BY OTHER THAN A SMALL ENTITY						
(1) FOR	(2) CLAIMS REMAINING AFTER AMENDMENT	(3) NUMBER EXTRA	(4) HIGHEST NUMBER PREVIOUSLY PAID FOR	(5) PRESENT EXTRA	(6) RATE	(7) ADDITIONAL FEES
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Number of pages:

Typed Name: Janet Ridpath

Signature: Janet Ridpath

Roy Zeighami, et al.

By

William A. Rudy

Attorney/Agent for Applicant(s)

Reg. No. 34,916

Date: June 29, 2005

Telephone No.: (720) 931-3027

Rev 12/04 (TransFax)

- Attach as First Page to Transmitted Papers -

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CENTRAL FAX CENTER****JUN 29 2005****PATENT**

Attorney Docket No.: 10014777-3

Sent Via Facsimile: (703) 872-9306

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Applicant(s) Roy Zeighami, et al.  
Serial No. 10/687,382  
Filed October 16, 2003  
For Method Of Cooling Semiconductor  
Die Using Microchannel  
Thermosyphon

Examiner M. Datskovskiy  
Group Art No. 2835  
Confirmation No. 2132

June 29, 2005

Director of Technology Center 2835  
Commissioner For Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

**PETITION UNDER 37 C.F.R. 1.181(a) TO WITHDRAW  
EXAMINER'S HOLDING OF ABANDONMENT**

Sir:

Pursuant to 37 CFR 1.181(a), Applicant hereby petitions for withdrawal of the holding of abandonment in the above-identified application.

**STATEMENT OF THE FACTS**

Applicant timely filed a Response to the Office Action of 26 April 2004 via Express Mail Label Number EL927873678US, on 26 July 2004. However, a Notice of Abandonment has been issued in the case, citing failure to respond to the 26 April Office Action as the reason for Abandonment.

Applicant submits herewith a copy of the Notice of Abandonment, a courtesy copy of the Response and accompanying papers, and proof of timely filing in the form of:

- a) a copy of the page of the response mailed on July 26, 2004, showing a Certificate of Mailing executed on July 26, 2004. Attached hereto as Exhibit A.
- b) A copy of the post card identifying the papers filed and showing the U.S. PTO receipt stamp dated July 26, 2004. Attached hereto as Exhibit B.
- c) A copy of the Image File Wrapper printed from the U.S. Patent Office

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**PATENT**

Attorney Docket No.: 10014777-3  
Sent Via Facsimile: (703) 872-9306

Patent Application Information Retrieval website showing the response  
mailed on July 26, 2004. Attached hereto as Exhibit c.

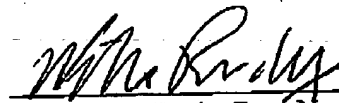
As demonstrated by items a)-c), Applicant's response to the Office Action of 26  
April 2004 was timely filed. Applicant believes that the instant application was  
erroneously abandoned due to late association of papers at the Patent Office.

**ACTION REQUESTED**

Applicant requests withdrawal of the holding of abandonment and formal  
notification of such withdrawal.

Applicant believes that no fees are due; however, if any fee is deemed necessary  
in connection with this Petition, the Examiner is authorized to charge Deposit Account  
No. 08-2025. Please call the undersigned with any questions.

Respectfully submitted



William A. Rudy, Reg. No. 34,916  
Lathrop & Gage, L.C.  
4845 Pearl East Circle, Suite 300  
Boulder, CO 80301  
Telephone: (720) 931-3027  
Facsimile: (720) 931-3001



## UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE  
United States Patent and Trademark Office  
Address: COMMISSIONER FOR PATENTS  
P.O. Box 1450  
Alexandria, Virginia 22313-1450  
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/687,382	10/16/2003	Roy Zeighami	10014777-3	2132
22879	7590	04/13/2003	EXAMINER	
HEWLETT PACKARD COMPANY P O BOX 272400, 3404 E. HARMONY ROAD INTELLECTUAL PROPERTY ADMINISTRATION FORT COLLINS, CO 80527-2400			DATSKOVSKIY, MICHAEL V	
			ART UNIT	PAPER NUMBER
			2835	

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DATE MAILED: 04/13/2005

APR 18 2005

HP LEGAL  
IPA

Please find below and/or attached an Office communication concerning this application or proceeding.

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AK

<b>Notice of Abandonment</b>	Application No.	Applicant(s)	
	10/687,382	ZEIGHAMI ET AL.	
	Examiner	Art Unit	
	Michael V. Datskovskiy	2835	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

This application is abandoned in view of:

1. ☒ Applicant's failure to timely file a proper reply to the Office letter mailed on 26 April 2004.
  - (a) ☐ A reply was received on \_\_\_\_\_ (with a Certificate of Mailing or Transmission dated \_\_\_\_\_), which is after the expiration of the period for reply (including a total extension of time of \_\_\_\_\_ month(s)) which expired on \_\_\_\_\_.
  - (b) ☐ A proposed reply was received on \_\_\_\_\_, but it does not constitute a proper reply under 37 CFR 1.113 (a) to the final rejection.  
(A proper reply under 37 CFR 1.113 to a final rejection consists only of: (1) a timely filed amendment which places the application in condition for allowance; (2) a timely filed Notice of Appeal (with appeal fee); or (3) a timely filed Request for Continued Examination (RCE) in compliance with 37 CFR 1.114).
  - (c) ☐ A reply was received on \_\_\_\_\_ but it does not constitute a proper reply, or a bona fide attempt at a proper reply, to the non-final rejection. See 37 CFR 1.85(a) and 1.111. (See explanation in box 7 below).
  - (d) ☒ No reply has been received.
2. ☐ Applicant's failure to timely pay the required issue fee and publication fee, if applicable, within the statutory period of three months from the mailing date of the Notice of Allowance (PTOL-85).
  - (a) ☐ The issue fee and publication fee, if applicable, was received on \_\_\_\_\_ (with a Certificate of Mailing or Transmission dated \_\_\_\_\_), which is after the expiration of the statutory period for payment of the issue fee (and publication fee) set in the Notice of Allowance (PTOL-85).
  - (b) ☐ The submitted fee of \$\_\_\_\_\_ is insufficient. A balance of \$\_\_\_\_\_ is due.  
The issue fee required by 37 CFR 1.18 is \$\_\_\_\_\_. The publication fee, if required by 37 CFR 1.18(d), is \$\_\_\_\_\_.
  - (c) ☐ The issue fee and publication fee, if applicable, has not been received.
3. ☐ Applicant's failure to timely file corrected drawings as required by, and within the three-month period set in, the Notice of Allowability (PTO-37).
  - (a) ☐ Proposed corrected drawings were received on \_\_\_\_\_ (with a Certificate of Mailing or Transmission dated \_\_\_\_\_), which is after the expiration of the period for reply.
  - (b) ☐ No corrected drawings have been received.
4. ☐ The letter of express abandonment which is signed by the attorney or agent of record, the assignee of the entire interest, or all of the applicants.
5. ☐ The letter of express abandonment which is signed by an attorney or agent (acting in a representative capacity under 37 CFR 1.34(a)) upon the filing of a continuing application.
6. ☐ The decision by the Board of Patent Appeals and Interference rendered on \_\_\_\_\_ and because the period for seeking court review of the decision has expired and there are no allowed claims.
7. ☐ The reason(s) below:

*Michael V. Datskovskiy*  
04/12/05

Michael V Datskovskiy  
Primary Examiner  
Art Unit: 2835

Petitions to revive under 37 CFR 1.137(a) or (b), or requests to withdraw the holding of abandonment under 37 CFR 1.181, should be promptly filed to minimize any negative effects on patent term.

U.S. Patent and Trademark Office  
PTOL-1432 (Rev. 04-01)

Notice of Abandonment

Part of Paper No. 2

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